

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653rxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced  
with preparation role  
NEWS 4 DEC 18 CA/CAPLUS patent kind codes updated  
NEWS 5 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased  
to 50,000  
NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload  
NEWS 7 DEC 27 CA/CAPLUS enhanced with more pre-1907 records  
NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 9 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded  
NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 12 JAN 22 CA/CAPLUS updated with revised CAS roles  
NEWS 13 JAN 22 CA/CAPLUS enhanced with patent applications from India  
NEWS 14 JAN 29 PHAR reloaded with new search and display fields  
NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
multiple databases  
NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 19 FEB 26 MEDLINE reloaded with enhancements  
NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000  
to 300,000 in multiple databases  
NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 25 MAR 16 CASREACT coverage extended  
NEWS 26 MAR 20 MARPAT now updated daily  
NEWS 27 MAR 22 LWPI reloaded  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may

result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 04:54:37 ON 29 MAR 2007

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 04:54:48 ON 29 MAR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 MAR 2007 HIGHEST RN 928296-91-7

DICTIONARY FILE UPDATES: 27 MAR 2007 HIGHEST RN 928296-91-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s NY/sqep

L1 30 NY/SQEP

=> s GY/SQEP

L2 28 GY/SQEP

=> s Ac adj Asn adj Tyr

L3 0 AC ADJ ASN ADJ TYR

=> dup rem l1

DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L1

L4 30 DUP REM L1 (0 DUPLICATES REMOVED)

=> d l1=1-30

'L1' IS NOT A VALID FIELD CODE

For a list of field codes in the current file, enter "HELP SFIELDS" at an arrow prompt (=>).

=> d l1 1-30

L1 ANSWER 1 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN

RN 890149-50-5 REGISTRY

ED Entered STN: 30 Jun 2006

CN L-Lysinamide, 17N6,17'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediy)]bis[N2-acetyl-L-asparaginyl-L-tyrosyl-L-alanyl-L-cysteinyl-L-arginyl-L-methionylglycyl-L-prolyl-L-

isoleucyl-L-threonyl-L-tryptophyl-L-valyl-L-cysteinyl-L-seryl-L-prolyl-L-leucyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 632: PN: WO2006062685 SEQID: 665 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890149-39-0 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 17N6,17'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N2-acetyl-L-asparaginyl-L-tyrosyl-L-valyl-L-cysteinyl-L-arginyl-L-methionylglycyl-L-prolyl-L-isoleucyl-L-threonyl-L-tryptophyl-L-isoleucyl-L-cysteinyl-L-threonyl-L-prolyl-L-alanyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 621: PN: WO2006062685 SEQID: 654 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890149-38-9 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 17N6,17'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N2-acetyl-L-asparaginyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-arginyl-L-phenylalanylglycyl-L-prolyl-L-methionyl-L-threonyl-L-tryptophyl-L-α-aspartyl-L-cysteinyl-L-threonylglycyl-L-phenylalanyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 620: PN: WO2006062685 SEQID: 653 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890147-48-5 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 17N6,17'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-

oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N2-acetyl-L-asparaginyl-L-tyrosyl-L-methionyl-L-cysteinyl-L-histidyl-L-phenylalanylglycyl-L-prolyl-L-isoleucyl-L-threonyl-L-tryptophyl-L-valyl-L-cysteinyl-L-arginyl-L-prolylglycyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN 446: PN: WO2006062685 SEQID: 469 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890147-43-0 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 18N6,18'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N2-acetyl-L-asparaginyl-L-tyrosyl-L-threonyl-L-cysteinyl-L-arginyl-L-phenylalanylglycyl-L-prolyl-L-leucyl-L-threonyl-L-tryptophyl-L-α-glutamyl-L-cysteinyl-L-threonyl-L-prolyl-L-phenylalanyl-L-glutamyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 444: PN: WO2006062685 SEQID: 467 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 862890-62-8 REGISTRY  
ED Entered STN: 12 Sep 2005  
CN Insulin (human), 29B-[N6-[N-[(2Z)-3-carboxy-1-oxo-2-propenyl]-β-alanyl-8-aminooctanoyl]-L-lysine]- (9CI) (CA INDEX NAME),  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 7 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 844440-43-3 REGISTRY  
ED Entered STN: 08 Mar 2005  
CN (1A-21A), (1B-29B)-Insulin (human), 29B-[N6-[N-(17-carboxy-1-oxoheptadecyl)-L-α-aspartyl-L-β-aspartyl]-L-lysine]- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 8 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 844440-33-1 REGISTRY  
ED Entered STN: 08 Mar 2005  
CN (1A-21A), (1B-29B)-Insulin (human), 29B-[N6-[N-(17-carboxy-1-oxoheptadecyl)glycyl-L-γ-glutamyl]-L-lysine]- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 9 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 844440-08-0 REGISTRY  
ED Entered STN: 08 Mar 2005  
CN (1A-21A), (1B-29B)-Insulin (human), 29B-[N6-[N-(17-carboxy-1-oxoheptadecyl)-L-α-aspartyl-L-β-aspartyl]-L-lysine]- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 10 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 844440-03-5 REGISTRY  
ED Entered STN: 08 Mar 2005  
CN (1A-21A), (1B-29B)-Insulin (human), 29B-[N6-[N-(17-carboxy-1-oxoheptadecyl)-L-γ-glutamyl-L-β-aspartyl]-L-lysine]- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 11 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 844439-99-2 REGISTRY  
ED Entered STN: 08 Mar 2005  
CN (1A-21A), (1B-29B)-Insulin (human), 29B-[N6-[N-(17-carboxy-1-oxoheptadecyl)-  
L-γ-glutamyl-L-γ-glutamyl]-L-lysine]- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 12 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 800385-02-8 REGISTRY  
ED Entered STN: 21 Dec 2004  
CN Insulin (human), 1B-L-glutamic acid-, (1B→1')-amide with  
N2-[4-[[3-[[O-(N-acetyl-α-neuraminosyl)-(2→6)-O-β-D-  
galactopyranosyl-(1→4)-2-(acetylamino)-2-deoxy-β-D-  
glucopyranosyl]oxy]propyl]amino]-1,4-dioxobutyl]-L-lysyl-N1,N5-bis[3-[[O-  
(N-acetyl-α-neuraminosyl)-(2→6)-O-β-D-galactopyranosyl-  
(1→4)-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]oxy]propyl]-L-  
glutamamide (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 13 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 800384-92-3 REGISTRY  
ED Entered STN: 21 Dec 2004  
CN Insulin (human), 1B-L-glutamic acid-, (1B→1')-amide with  
N2-[4-[[3-[[2-(acetylamino)-2-deoxy-4-O-β-D-galactopyranosyl-β-D-  
glucopyranosyl]oxy]propyl]amino]-1,4-dioxobutyl]-L-lysyl-N1,N5-bis[3-[[2-  
(acetylamino)-2-deoxy-4-O-β-D-galactopyranosyl-β-D-  
glucopyranosyl]oxy]propyl]-L-glutamamide (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 14 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 797785-05-8 REGISTRY  
ED Entered STN: 15 Dec 2004  
CN Insulin (human), 1B-L-glutamic acid-, (1B→1')-amide with  
N2-[4-[[3-[[O-(N-acetyl-α-neuraminosyl)-(2→6)-O-β-D-  
galactopyranosyl-(1→4)-2-(acetylamino)-2-deoxy-β-D-  
glucopyranosyl]oxy]propyl]amino]-1,4-dioxobutyl]-L-lysyl-N1,N5-bis[3-[[O-  
(N-acetyl-α-neuraminosyl)-(2→6)-O-β-D-galactopyranosyl-  
(1→4)-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]oxy]propyl]-L-  
glutamamide (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 15 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607757-10-8 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85839 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Paradoxaphis plagianthi subunit I)  
CN GenBank AAO85839 (Translated from: GenBank AY219754)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 16 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607757-08-4 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85837 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Paradoxaphis aristoteliae subunit I)  
CN GenBank AAO85837 (Translated from: GenBank AY219753)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 17 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607757-04-0 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85833 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Aphis cottieri subunit I)  
CN GenBank AAO85833 (Translated from: GenBank AY219751)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 18 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607757-02-8 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85831 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Aphis coprosmae subunit I)  
CN GenBank AAO85831 (Translated from: GenBank AY219750)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 19 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-99-0 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85828 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Aphis cornifoliae subunit I)  
CN GenBank AAO85828 (Translated from: GenBank AY219748)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)



1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 20 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-97-8 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85826 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Aphis farinosa subunit I)  
CN GenBank AAO85826 (Translated from: GenBank AY219747)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 21 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-95-6 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85824 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Aphis spiraecola subunit I)  
CN GenBank AAO85824 (Translated from: GenBank AY219746)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 22 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-91-2 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85820 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Euschizaphis sp. CDvD-2003-2 subunit I)  
CN GenBank AAO85820 (Translated from: GenBank AY219743)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 23 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-89-8 REGISTRY

ED Entered STN: 22 Oct 2003  
CN GenBank AAO85818 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Casimira sp. CDvD-2003 subunit I)  
CN GenBank AAO85818 (Translated from: GenBank AY219742)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

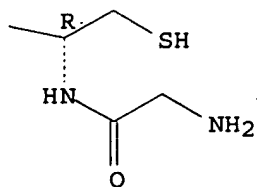
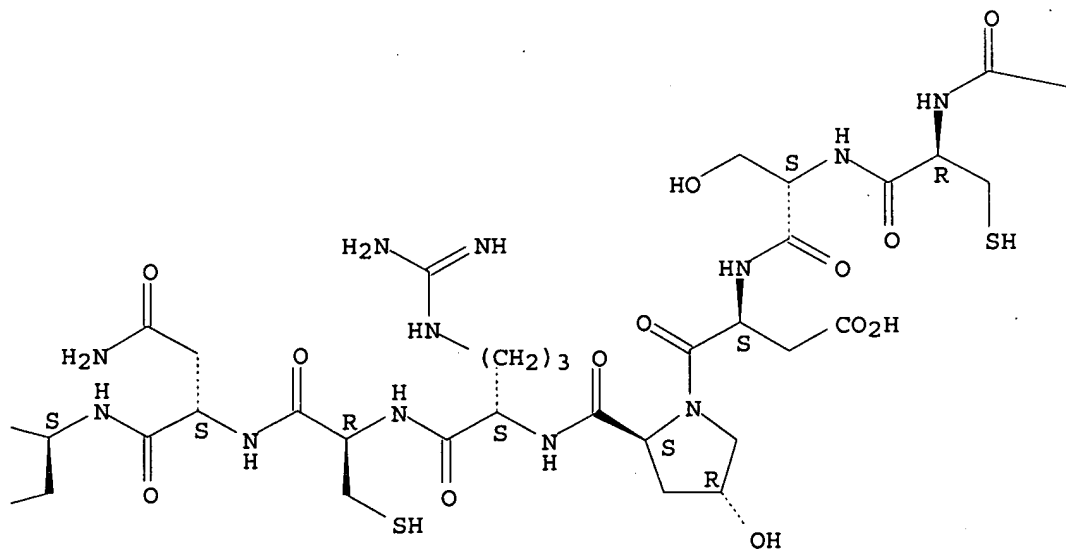
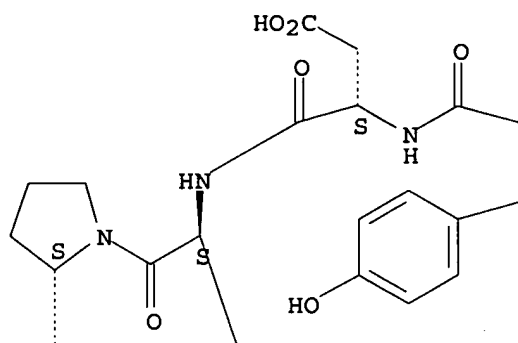
L1 ANSWER 24 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 607756-87-6 REGISTRY  
ED Entered STN: 22 Oct 2003  
CN GenBank AAO85816 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Cytochrome c oxidase (Euschizaphis sp. CDvD-2003-1 subunit I)  
CN GenBank AAO85816 (Translated from: GenBank AY219741)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS

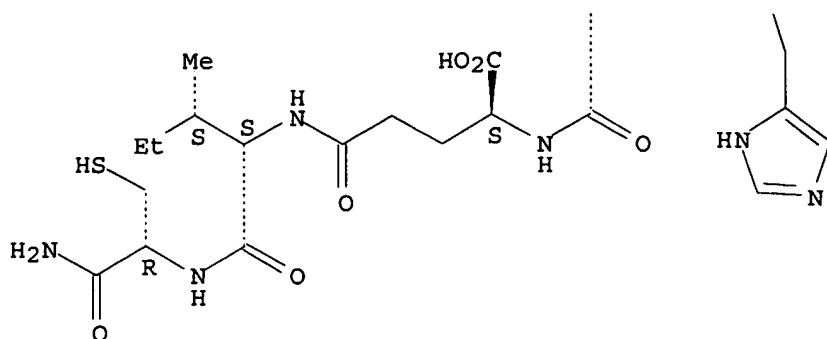
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 25 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 467428-31-5 REGISTRY  
ED Entered STN: 30 Oct 2002  
CN L-Cysteinamide, glycyl-L-cysteinyl-L-cysteinyl-L-seryl-L- $\alpha$ -aspartyl-  
(4R)-4-hydroxy-L-prolyl-L-arginyl-L-cysteinyl-L-asparaginyl-L-tyrosyl-L-  
 $\alpha$ -aspartyl-L-histidyl-L-prolyl-L- $\gamma$ -glutamyl-L-isoleucyl- (9CI)  
(CA INDEX NAME)  
OTHER NAMES:  
CN 7: PN: WO02079236 SEQID: 7 claimed protein  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C71 H107 N23 O26 S4  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.





## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 26 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 180721-67-9 REGISTRY  
ED Entered STN: 13 Sep 1996  
CN Insulin (swine), NB-[(aminooxy)acetyl]-, (1''''''''→1B), (1''''''''  
fwdarw.1'B), (1''''''''→1'B), (1''''''''→1'B), (1''''''''  
'→1'B), (1''''''''→1'B), (1''''''''→1'  
B), (1''''''''→1'B)-octaaldoxime with N2,N6-bis[N2,N6-  
bis[N2,N6-bis(oxoacetyl)-L-lysyl]-L-lysyl]-L-lysyl-L-tyrosine (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Insulin (pig), NB-[[[(carboxymethylene)amino]oxy]acetyl]-, octaamide with  
N2,N6-bis(N2,N6-di-L-lysyl-L-lysyl)-L-lysyl-L-tyrosine  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 27 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 113610-16-5 REGISTRY  
ED Entered STN: 02 Apr 1988  
CN (1-29)-(64-84)-Proinsulin (swine), 29-[N6-[N2-[N2,N6-bis[(1,1-  
dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-  
lysyl]-L-lysine]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN (1-29)-(64-84)-Proinsulin (pig), 29-[N6-[N2-[N2,N6-bis[(1,1-  
dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-  
lysyl]-L-lysine]-  
CN Proinsulin (pig), 29-[N6-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-  
lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-L-lysine]-30-de-L-  
alanine-31-de-L-arginine-32-de-L-arginine-33-de-L-glutamic  
acid-34-de-L-alanine-35-de-L-glutamic acid-36-de-L-asparagine-37-de-L-  
proline-38-de-L-glutamine-39-de-L-alanine-40-deglycine-41-de-L-alanine-42-  
de-L-valine-43-de-L-glutamic acid-44-de-L-leucine-45-deglycine-46-  
deglycine-47-deglycine-48-de-L-leucine-49-deglycine-50-deglycine-51-de-L-  
leucine-52-de-L-glutamine-53-de-L-alanine-54-de-L-leucine-55-de-L-alanine-

56-de-L-leucine-57-de-L-glutamic acid-58-deglycine-59-de-L-proline-60-de-L-proline-61-de-L-glutamine-62-de-L-lysine-63-de-L-arginine-

FS PROTEIN SEQUENCE

MF C280 H422 N68 O82 S6

CI MAN

SR CA

LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 28 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN

RN 113190-14-0 REGISTRY

ED Entered STN: 05 Mar 1988

CN (1-29)-(64-84)-Proinsulin (swine), N-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-29-[N6-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-L-lysine]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN (1-29)-(64-84)-Proinsulin (pig), N-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-29-[N6-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-L-lysine]-

CN Proinsulin (pig), N-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-29-[N6-[N2-[N2,N6-bis[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl]-L-lysine]-30-de-L-alanine-31-de-L-arginine-32-de-L-arginine-33-de-L-glutamic acid-34-de-L-alanine-35-de-L-glutamic acid-36-de-L-asparagine-37-de-L-proline-38-de-L-glutamine-39-de-L-alanine-40-deglycine-41-de-L-alanine-42-de-L-valine-43-de-L-glutamic acid-44-de-L-leucine-45-deglycine-46-deglycine-47-deglycine-48-de-L-leucine-49-deglycine-50-deglycine-51-de-L-leucine-52-de-L-glutamine-53-de-L-alanine-54-de-L-leucine-55-de-L-alanine-56-de-L-leucine-57-de-L-glutamic acid-58-deglycine-59-de-L-proline-60-de-L-proline-61-de-L-glutamine-62-de-L-lysine-63-de-L-arginine-

FS PROTEIN SEQUENCE

MF C307 H470 N72 O91 S6

CI MAN

SR CA

LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 29 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN

RN 97707-73-8 REGISTRY

ED Entered STN: 24 Aug 1985

CN Insulin (swine); 29B-[N6-(L-tyrosyl-6-aminohexanoyl)-L-lysine]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3,4,44,45,90,91-Hexathia-8,11,14,17,20,23,26,29,32,35,38,41,48,51,54,57,60,63,66,69,72,75,78,81,84,86-hexacosazabicyclo[72.11.7]dononacontane, cyclic peptide deriv.

CN Insulin (ox), 8A-L-threonine-10A-L-isoleucine-29B-[N6-[6-[[2-amino-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-oxohexyl]-L-lysine]-, (S)-

FS PROTEIN SEQUENCE

MF C271 H401 N67 O79 S6

CI MAN

SR CA

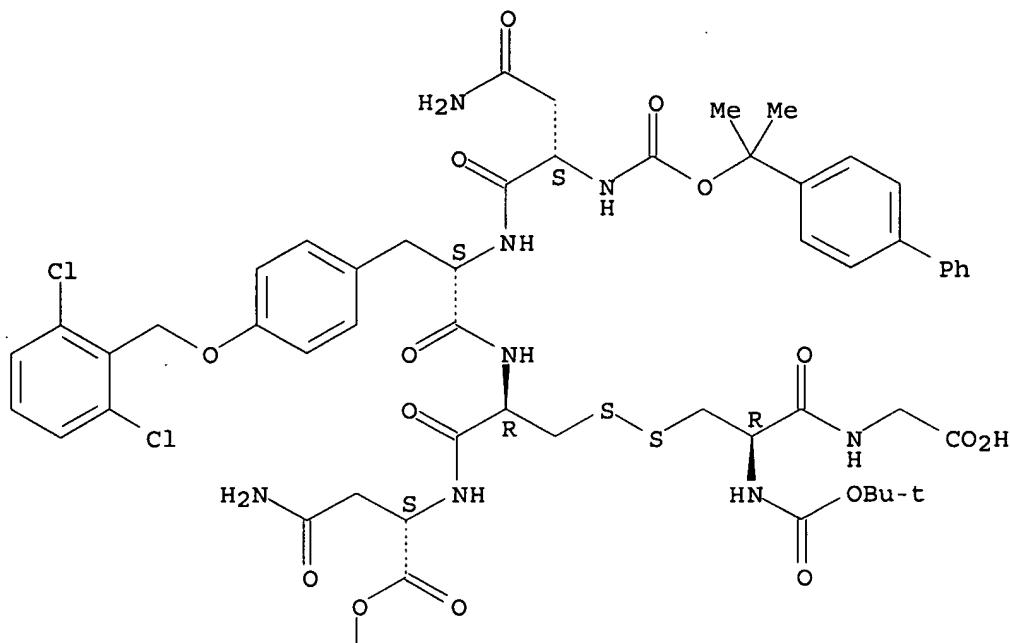
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 \*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 30 OF 30 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 68558-45-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN L-Asparagine, N2-[(1-[1,1'-biphenyl]-4-yl-1-methylethoxy)carbonyl]-L-asparaginyl-O-[(2,6-dichlorophenyl)methyl]-L-tyrosyl-L-cysteinyl-, phenylmethyl ester, (3→1')-disulfide with N-[(1,1-dimethylethoxy)carbonyl]-L-cysteinylglycine (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C60 H68 Cl2 N8 O15 S2  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.

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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 12 1-28

L2 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890147-73-6 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 20N6,20'N6-[[[3-amino-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N-acetylglycylglycyl-L-tyrosyl-L-alanyl-L-cysteinyl-L-histidyl-L-methionylglycyl-L-prolyl-L-isoleucyl-L-threonyl-3-(1-naphthalenyl)-L-alanyl-L-valyl-L-cysteinyl-L-glutaminyl-L-prolyl-L-leucyl-L-arginyl-N-methylglycyl-, cyclic (5→14), (5'→14')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 460: PN: WO2006062685 SEQID: 484 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890142-76-4 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 16N6,16'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N-acetyl-L-leucyl-L-tyrosyl-L-leucyl-L-cysteinyl-L-arginyl-L-phenylalanylglycyl-L-prolyl-L-valyl-L-threonyl-L-tryptophyl-L-α-aspartyl-L-cysteinylglycyl-L-tyrosyl-, cyclic (4→13), (4'→13')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 391: PN: WO2006062685 SEQID: 410 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 890141-35-2 REGISTRY  
ED Entered STN: 30 Jun 2006  
CN L-Lysinamide, 23N6,23'N6-[[[3-[[[(1,1-dimethylethoxy)carbonyl]amino]-1-oxopropyl]imino]bis(1-oxo-2,1-ethanediyl)]bis[N-acetyl-L-leucyl-L-leucyl-L-arginylglycyl-L-tyrosyl-L-α-glutamyl-L-cysteinyl-L-tyrosyl-L-methionylglycyl-L-prolyl-L-leucyl-L-threonyl-L-tryptophyl-L-valyl-L-cysteinyl-L-arginyl-L-seryl-L-seryl-L-arginyl-L-prolyl-L-arginyl-, cyclic (7→16), (7'→16')-bis(disulfide) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 353: PN: WO2006062685 SEQID: 372 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 889996-41-2 REGISTRY  
 ED Entered STN: 29 Jun 2006  
 CN L-Serinamide, N2,N6-bis[N2,N6-bis[N2,N6-bis[4-( $\alpha$ -D-mannopyranosyloxy)-1-oxobutyl]-L-lysyl]-L-lysyl]-L-lysylglycyl-L-tyrosyl-L-histidyl-L-leucyl-L-methionyl-L-seryl-L-phenylalanyl-L-prolyl-L-glutaminyl-L-alanyl-L-alanyl-L-prolyl-L-histidylglycyl-L-valyl-L-valyl-L-phenylalanyl-L-leucyl-L-histidyl-L-valyl-L-threonyl-L-tyrosyl-L-valyl-L-prolyl- (9CI)  
 (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 \*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

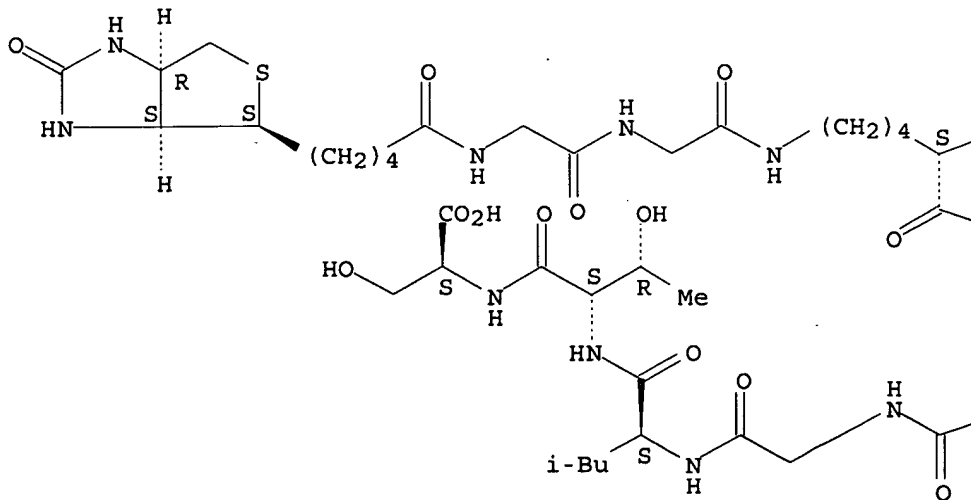
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 305815-91-2 REGISTRY  
 ED Entered STN: 01 Dec 2000  
 CN L-Serine, glycyl-L-tryptophyl-L-threonyl-L-leucyl-L-asparaginyll-L-seryl-L-alanylglycyl-L-tyrosyl-L-leucyl-L-leucylglycyl-L-prolyl-L-histidyl-L-alanyl-L-valylglycyl-L-asparaginyll-L-histidyl-L-arginyl-L-seryl-L-phenylalanyl-L-seryl-L- $\alpha$ -aspartyl-N6-[N-[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]glycylglycyl]-L-lysyl-L-asparaginyllglycyl-L-leucyl-L-threonyl- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C153 H230 N46 O47 S  
 SR CA  
 LC STN Files: CA, CAPLUS

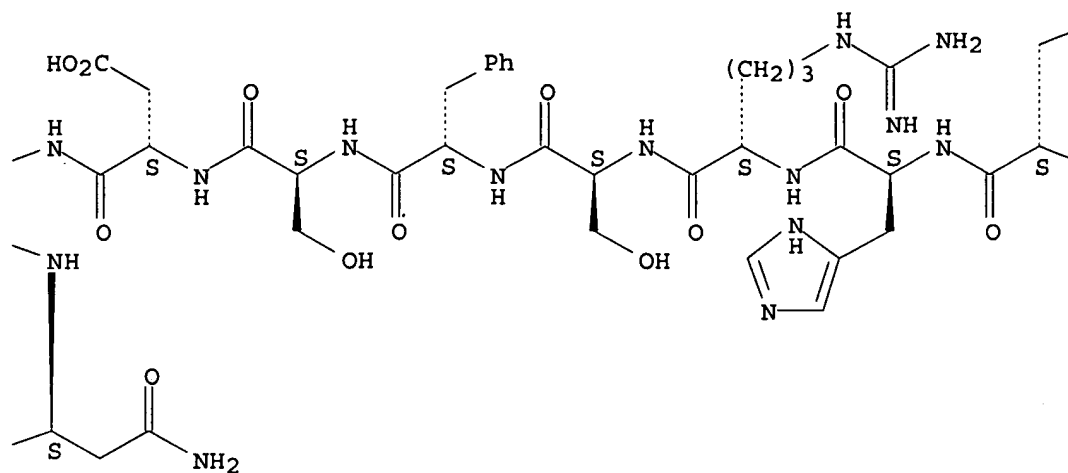
Absolute stereochemistry.

PAGE 1-A

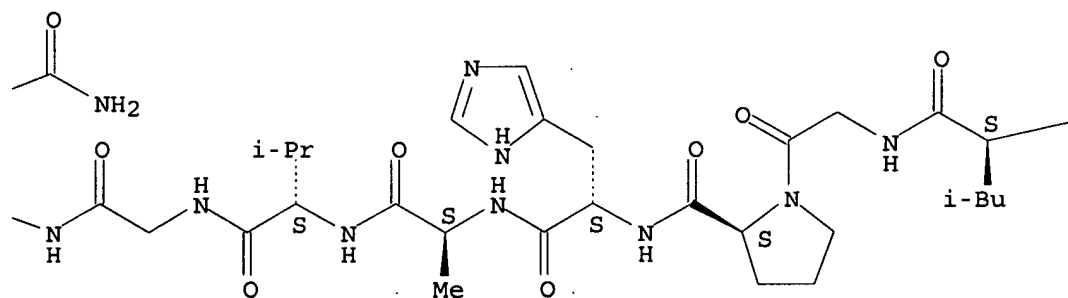




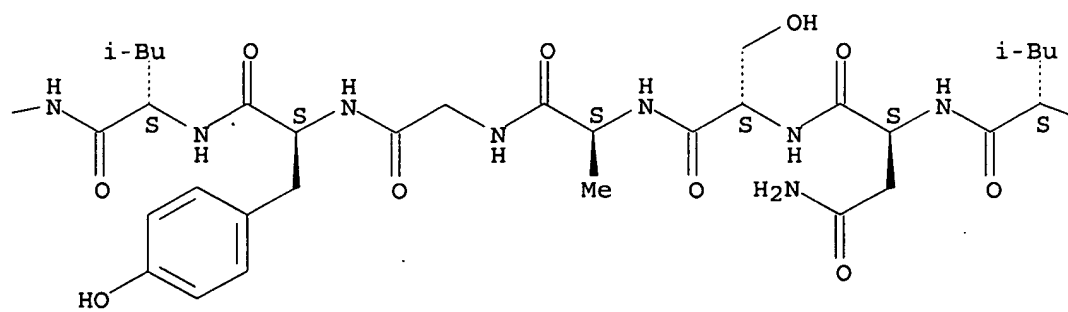
PAGE 1-B

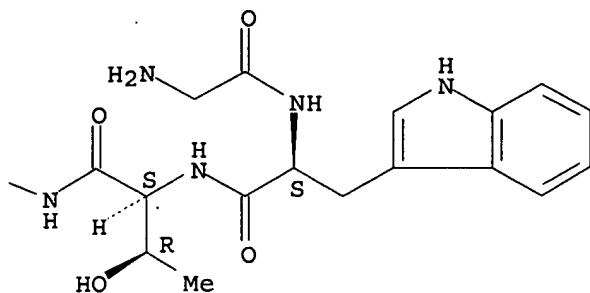


PAGE 1-C



PAGE 1-D





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 285564-77-4 REGISTRY  
ED Entered STN: 14 Aug 2000  
CN L-Lysinamide, L- $\alpha$ -glutamyl-L-tyrosyl-L-alanylglycyl-L-tyrosylglycyl-L- $\alpha$ -glutamyl-L-arginyl-L-isoleucyl-L-tryptophyl-N6-(L-lysyl-L-tyrosyl)-, (1 $\rightarrow$ 1'2), (7 $\rightarrow$ 1'6)-dilactam (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C79 H108 N20 O18  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 214265-30-2 REGISTRY  
ED Entered STN: 15 Nov 1998  
CN L-Argininamide, N2,N6-bis[N2,N6-bis[N2,N6-bis[4-(3'-azido-3'-deoxythymidin-5'-O-yl)-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-lysyl-L-arginyl-L-arginyl-L-tryptophyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl-L-tyrosyl-L-lysylglycyl-L-tyrosyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF C268 H368 N92 O77 S4  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 214265-29-9 REGISTRY  
ED Entered STN: 15 Nov 1998

CN L-Argininamide, N2,N6-bis[N2,N6-bis[N2,N6-bis[5-(3'-azido-3'-deoxythymidin-5'-O-yl)-1,5-dioxopentyl]-L-lysyl]-L-lysyl]-L-lysyl-L-arginyl-L-arginyl-L-tryptophyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl-L-tyrosyl-L-lysylglycyl-L-tyrosyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl-, cyclic (7→20), (11→16)-bis(disulfide) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF C265 H370 N92 O77 S4  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 9 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 214265-28-8 REGISTRY  
ED Entered STN: 15 Nov 1998  
CN L-Argininamide, N2,N6-bis[N2,N6-bis[N2,N6-bis[4-(3'-azido-3'-deoxythymidin-5'-O-yl)-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-lysyl-L-arginyl-L-arginyl-L-tryptophyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl-L-tyrosyl-L-lysylglycyl-L-tyrosyl-L-cysteinyl-L-tyrosyl-L-arginyl-L-lysyl-L-cysteinyl-, cyclic (7→20), (11→16)-bis(disulfide) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF C264 H368 N92 O77 S4  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

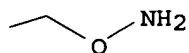
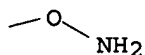
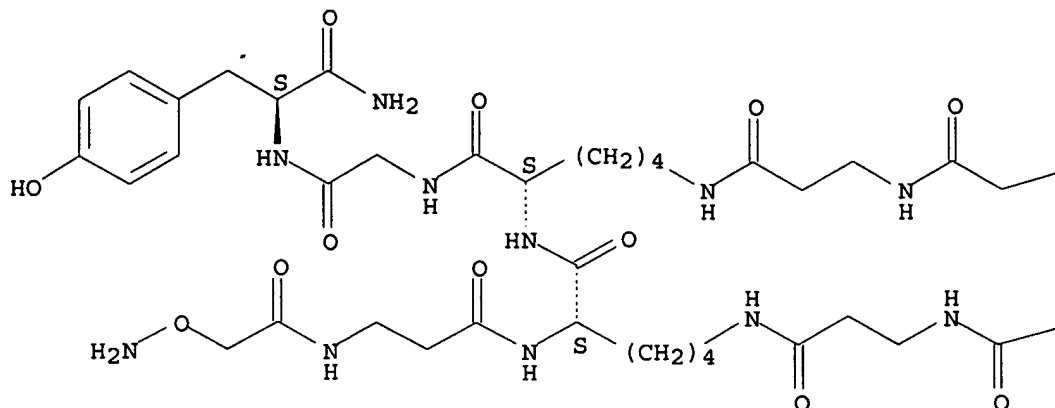
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 209330-63-2 REGISTRY  
ED Entered STN: 02 Aug 1998  
CN L-Tyrosinamide, N2,N6-bis[N-[(aminooxy)acetyl]-β-alanyl]-L-lysyl-N6-[N-[(aminooxy)acetyl]-β-alanyl]-L-lysylglycyl- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C38 H63 N13 O14  
SR CA  
LC STN Files: CA, CAPLUS

. Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 191798-05-7 REGISTRY  
 ED Entered STN: 29 Jul 1997  
 CN Cyclo[L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginylglycyl]-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-L-lysyl-L-alanyl-N6-[N-(3-carboxy-1-oxopropyl)-L-α-glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysylglycyl-L-prolyl-L-lysyl],  
 (2→4),(7→9),(11→14)-trilactam (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C150 H228 N42 O42 S  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 \*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
 1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 191798-01-3 REGISTRY  
 ED Entered STN: 29 Jul 1997  
 CN Cyclo[L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginylglycyl]-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-L-alanyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysylglycyl-L-prolyl-L-lysyl], (2 $\rightarrow$ 4), (9 $\rightarrow$ 7), (11 $\rightarrow$ 14)-trilactam (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C150 H228 N42 O42 S  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 191797-97-4 REGISTRY  
 ED Entered STN: 29 Jul 1997  
 CN Cyclo[L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginylglycyl]-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysyl], (2 $\rightarrow$ 4), (7 $\rightarrow$ 9), (14 $\rightarrow$ 11)-trilactam (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C150 H228 N42 O42 S  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 14 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 191797-93-0 REGISTRY  
 ED Entered STN: 29 Jul 1997  
 CN Cyclo[L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginylglycyl]-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysyl], (2 $\rightarrow$ 4), (9 $\rightarrow$ 7), (14.fwda rw.11)-trilactam (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C150 H228 N42 O42 S  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 191797-91-8 REGISTRY  
ED Entered STN: 29 Jul 1997  
CN Cyclo[L-alanyl-L-lysyl-L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginyglycyl]-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-L-lysyl-L-alanyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysylglycyl-L-prolyl-L-lysyl],  
(4 $\rightarrow$ 2),(7 $\rightarrow$ 9),(11 $\rightarrow$ 14)-trilactam (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C150 H228 N42 O42 S  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 191797-89-4 REGISTRY  
ED Entered STN: 29 Jul 1997  
CN Cyclo[L-alanyl-L-lysyl-L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginyglycyl]-L-lysylglycyl-L-prolyl-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-L-alanyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysylglycyl-L-prolyl-L-lysyl],  
(4 $\rightarrow$ 2),(9 $\rightarrow$ 7),(11 $\rightarrow$ 14)-trilactam (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C150 H228 N42 O42 S  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 191797-87-2 REGISTRY  
ED Entered STN: 29 Jul 1997  
CN Cyclo[L-alanyl-L-lysyl-L-alanyl-N6-[N2-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-tyrosyl-L-asparaginyglycyl]-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl]-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-L-lysyl-L-alanyl-L-lysylglycyl-L-prolyl-N6-[N-(3-carboxy-1-oxopropyl)-L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl]-L-lysyl],  
(4 $\rightarrow$ 2),(7 $\rightarrow$ 9),(14 $\rightarrow$ 11)-trilactam (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C150 H228 N42 O42 S  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 191797-82-7 REGISTRY

ED Entered STN: 29 Jul 1997

CN Cyclo[L-alanyl-N6-(3-carboxy-1-oxopropyl)-L-lysyl-L-alanyl-N6-(L-lysylglycyl-L-tyrosyl-L-asparaginyglycyl)-L-lysylglycyl-L-prolyl-N6-(3-carboxy-1-oxopropyl)-L-lysyl-S-[2-[(2-amino-2-oxoethyl)amino]-2-oxoethyl]-L-cysteinyl-N6-(L-phenylalanylglycyl-L-leucyl-L-tyrosylglycyl)-L-lysyl-L-alanyl-N6-(3-carboxy-1-oxopropyl)-L-lysylglycyl-L-prolyl-N6-(L- $\alpha$ -glutamyl-L-leucylglycyl-L-arginylglycyl)-L-lysyl], (2 $\rightarrow$ 1'2'), (7 $\rightarrow$ 1''), (11 $\rightarrow$ 1'')-trilactam (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C150 H228 N42 O42 S

SR CA

LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 186844-30-4 REGISTRY

ED Entered STN: 07 Mar 1997

CN L-Cysteine, N2-(oxoacetyl)-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-S-[(acetylamino)methyl]-, (1 $\rightarrow$ 6')-aldehyde-hydrazone with N2,N6-bis[N2,N6-bis(O- $\alpha$ -D-mannopyranosyl-L-seryl)-L-lysyl]-L-lysylglycylglycyl-N-(11-hydrazino-11-oxoundecyl)-L-tyrosinamide (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

MF C260 H464 N72 O79 S

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 20 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 186844-29-1 REGISTRY

ED Entered STN: 07 Mar 1997

CN L-Cysteine, N2-(oxoacetyl)-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-S-[(acetylamino)methyl]-, (1 $\rightarrow$ 6')-aldehyde-hydrazone with N2,N6-bis[N2,N6-bis(O- $\alpha$ -D-mannopyranosyl-L-seryl)-L-lysyl]-L-lysylglycylglycyl-L-tyrosine hydrazide (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

MF C249 H443 N71 O78 S

CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 21 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 186843-94-7 REGISTRY  
ED Entered STN: 07 Mar 1997  
CN Poly(oxy-1,2-ethanediyl),  $\alpha$ -hydro- $\omega$ -hydroxy-, 6 $\alpha$ -ether  
with N2,N6-bis[N2,N6-bis(O- $\alpha$ -D-mannopyranosyl-L-seryl)-L-lysyl]-L-  
lysylglycylglycyl-N-(2-hydroxyethyl)-L-tyrosinamide, 1'-ether with  
N2-[[{(3-hydroxy-1-oxopropyl)hydrazono]acetyl]-L-lysyl-L-lysyl-L-seryl-L-  
prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-  
L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-lysyl-  
L-prolyl-L-alanyl-L-alanyl-L-lysyl-L-lysyl-L-seryl-L-prolyl-L-lysyl-L-  
lysyl-L-alanyl-L-lysyl-L-lysyl-L-prolyl-L-alanyl-L-alanyl-S-  
[(acetylamino)methyl]-L-cysteine (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF (C2 H4 O)<sub>n</sub> C254 H452 N72 O80 S  
CI PMS, MAN  
PCT Manual registration  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

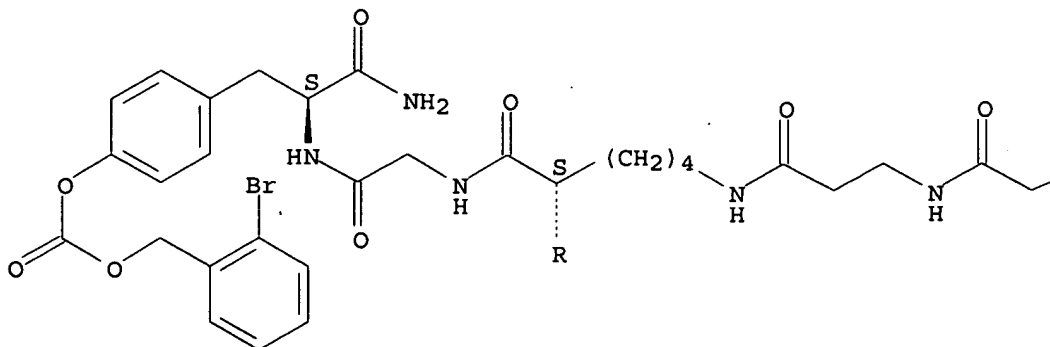
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 22 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 180338-67-4 REGISTRY  
ED Entered STN: 04 Sep 1996  
CN L-Tyrosinamide, N-(bromoacetyl)- $\beta$ -alanyl- $\beta$ -alanyl-N6-[N-[N-  
(bromoacetyl)- $\beta$ -alanyl]- $\beta$ -alanyl]-L-lysyl-N6-[N-[N-(bromoacetyl)-  
 $\beta$ -alanyl]- $\beta$ -alanyl]-L-lysylglycyl-, (2-bromophenyl)methyl  
carbonate (ester) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C55 H77 Br4 N13 O16  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

PAGE 1-A





1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 178485-03-5 REGISTRY

ED Entered STN: 19 Jul 1996

CN L-Tyrosinamide, N-(bromoacetyl)- $\beta$ -alanyl- $\beta$ -alanyl-N6-[N-(bromoacetyl)- $\beta$ -alanyl- $\beta$ -alanyl]-L-lysyl-N6-[N-(bromoacetyl)- $\beta$ -alanyl- $\beta$ -alanyl]-L-lysylglycyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN L-Tyrosinamide, N-(bromoacetyl)- $\beta$ -alanyl- $\beta$ -alanyl-N6-[N-[N-(bromoacetyl)- $\beta$ -alanyl]- $\beta$ -alanyl]-L-lysyl-N6-[N-[N-(bromoacetyl)- $\beta$ -alanyl]- $\beta$ -alanyl]-L-lysylglycyl-

FS PROTEIN SEQUENCE; STEREOSEARCH

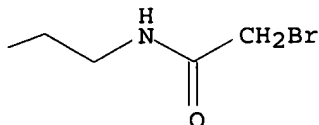
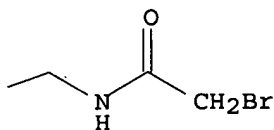
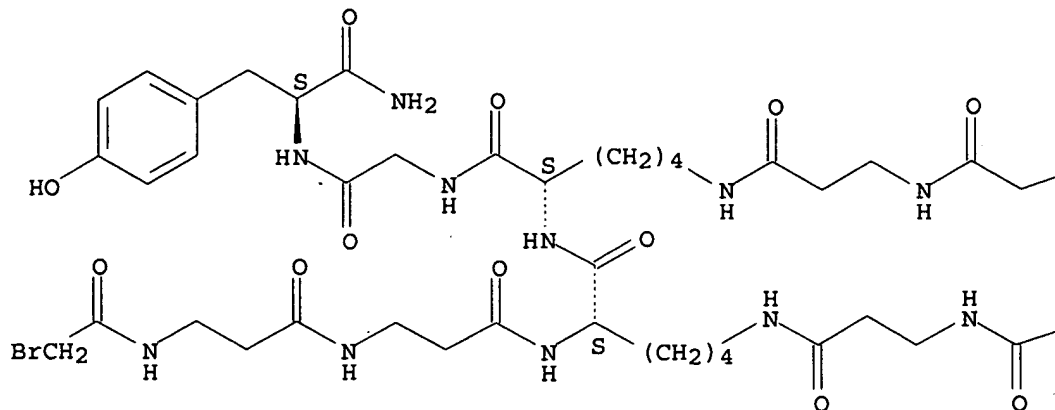
MF C47 H72 Br3 N13 O14

SR      CA

LC STN Files: CA, CAPLUS, USPATFULL

**\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\***

Absolute stereochemistry.



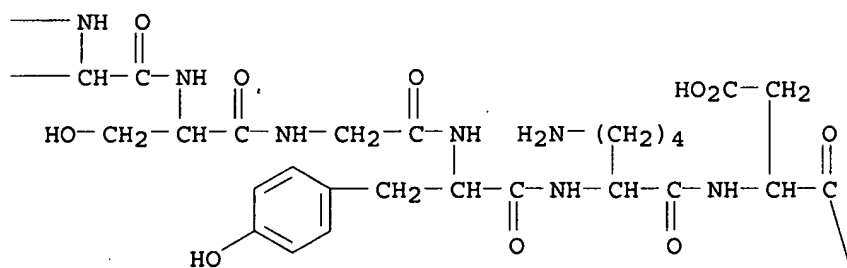
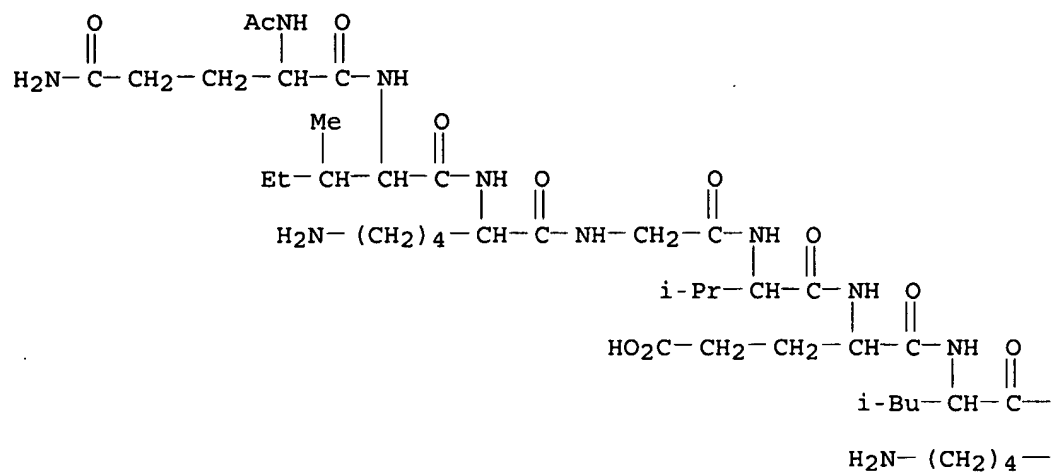
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

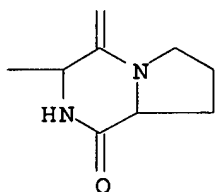
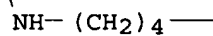
3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 24 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 153049-58-2 REGISTRY  
ED Entered STN: 16 Feb 1994  
CN L- $\alpha$ -Asparagine, N2-acetyl-L-glutaminy-L-isoleucyl-L-lysylglycyl-L-valyl-L- $\alpha$ -glutamyl-L-leucyl-L-lysyl-L-serylglycyl-L-tyrosyl-L-lysyl-N-[4-(octahydro-1,4-dioxopyrrolo[1,2-a]pyrazin-3-yl)butyl]-, (3S-trans)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pyrrolo[1,2-a]pyrazine, L- $\alpha$ -asparagine deriv.  
FS PROTEIN SEQUENCE  
MF C78 H128 N20 O23  
SR CA  
LC STN Files: CA, CAPLUS



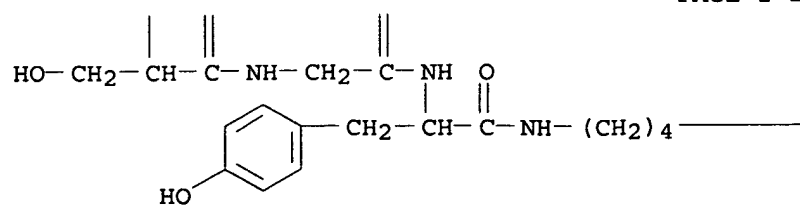
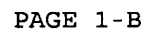


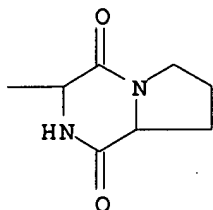
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 25 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 153049-57-1 REGISTRY  
ED Entered STN: 16 Feb 1994  
CN L-Tyrosinamide, N2-acetyl-L-arginyl-L-phenylalanyl-L-glutaminyl-L-isoleucyl-L-lysylglycyl-L-valyl-L- $\alpha$ -glutamyl-L-leucyl-L-lysyl-L-serylglycyl-N-[4-(octahydro-1,4-dioxopyrrolo[1,2-a]pyrazin-3-yl)butyl]-, (3S-trans)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Pyrrolo[1,2-a]pyrazine, L-tyrosinamide deriv.  
FS PROTEIN SEQUENCE  
MF C83 H132 N22 O21

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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

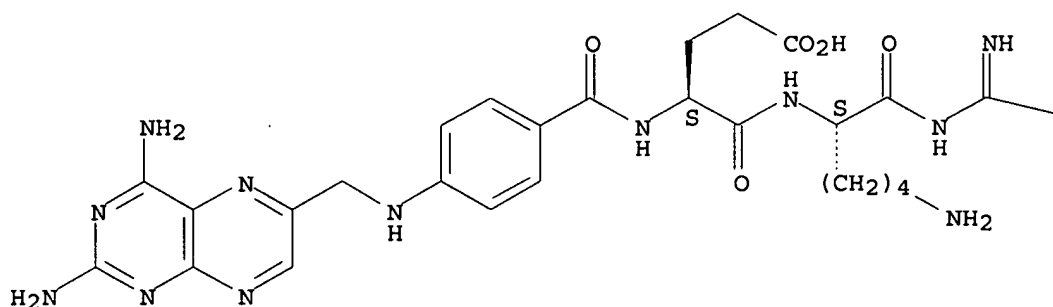
1. REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE).

L2 ANSWER 26 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 118359-41-4 REGISTRY  
ED Entered STN: 13 Jan 1989  
CN L-Tyrosine, N- [N- [N- [N5- [[ [N2- [N- [4- [[ (2,4-diamino-6-  
pteridiny]methyl]amino]benzoyl] -L- $\alpha$ -glutamyl] -L-  
lysyl]amino]iminomethyl] -L-ornithyl]glycyl]glycyl] - (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C44 H59 N17 O11  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

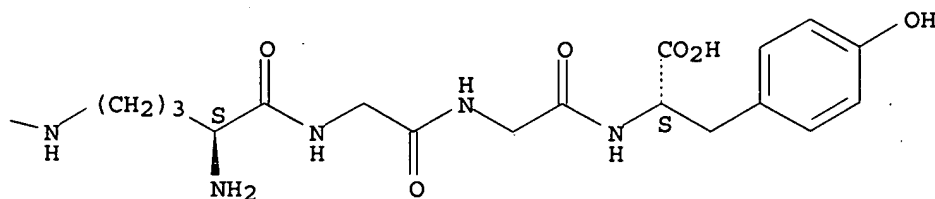
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

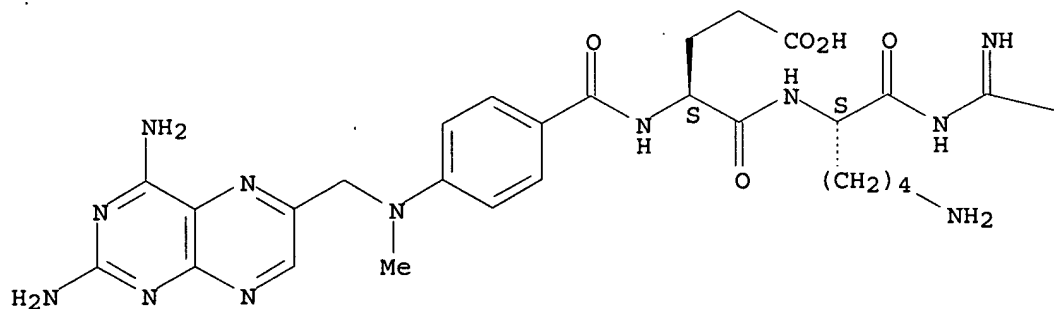
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 27 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 118359-32-3 REGISTRY  
ED Entered STN: 13 Jan 1989  
CN L-Tyrosine, N-[N-[N-[N5-[[[N2-[N-[4-[[[2,4-diamino-6-  
pteridinyl)methyl]methylamino]benzoyl]-L- $\alpha$ -glutamyl]-L-  
lysyl]amino]iminomethyl]-L-ornithyl]glycyl]glycyl]- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C45 H61 N17 O11  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

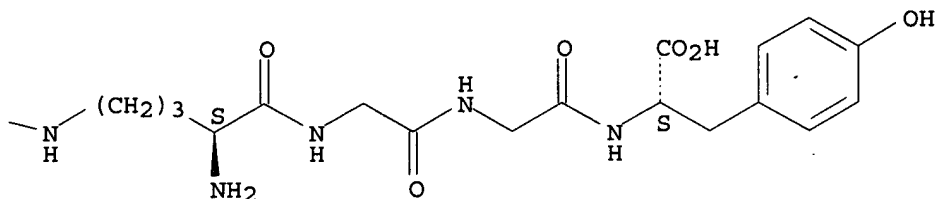
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



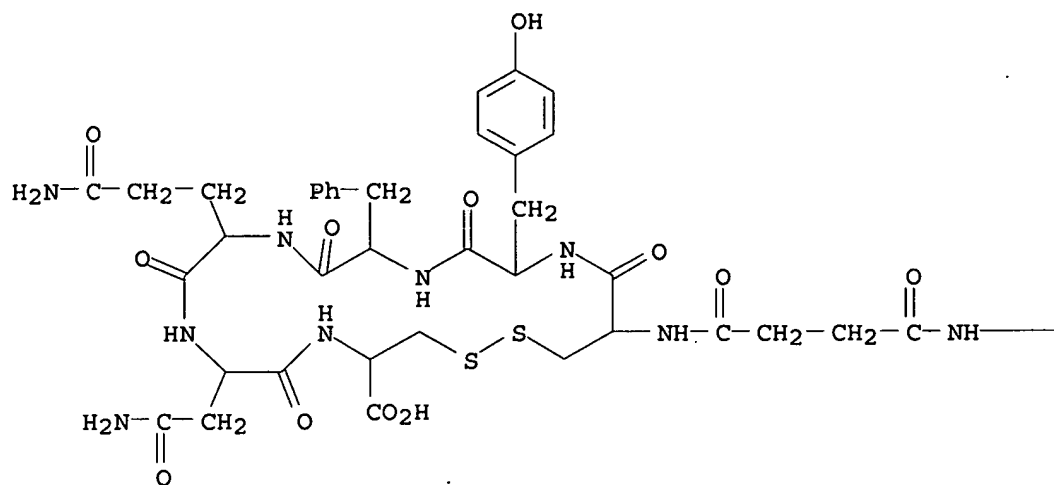
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

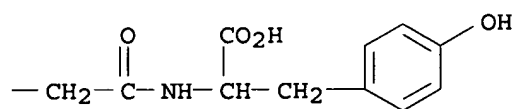
L2 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 99540-99-5 REGISTRY  
ED Entered STN: 21 Dec 1985  
CN L-Cysteine, N-(3-carboxy-1-oxopropyl)-L-cysteinyl-L-tyrosyl-L-phenylalanyl-  
L-glutamyl-L-asparaginyl-, cyclic (1 $\rightarrow$ 6)-disulfide,  
(1 $\rightarrow$ 1')-amide with glycyl-L-tyrosine (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1,2-Dithia-5,8,11,14,17-pentaazacycloicosane, cyclic peptide deriv.  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C48 H58 N10 O16 S2

SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)



=&gt; d bib, hitstr 1-10

L3 ANSWER 1 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2007:61250 HCAPLUS  
 DN 146:143006  
 TI Preparation of N- or C-terminally modified small peptides for  
 pharmaceutical use  
 IN Larsen, Bjarne Due; Kerns, Edward H.  
 PA Zealand Pharma A/S, Den.; Kiddle, Simon John  
 SO PCT Int. Appl., 54pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007007060	A2	20070118	WO 2006-GB2527	20060707
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRAI	GB 2005-14071	A	20050707		
	US 2005-697138P	P	20050707		

OS MARPAT 146:143006

IT 919104-62-4P 919104-63-5P

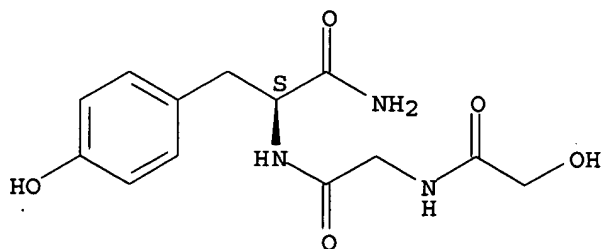
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N- or C-terminally modified small peptides having antiarrhythmic activity)

RN 919104-62-4 HCAPLUS

CN L-Tyrosinamide, N-(2-hydroxyacetyl)glycyl- (CA INDEX NAME)

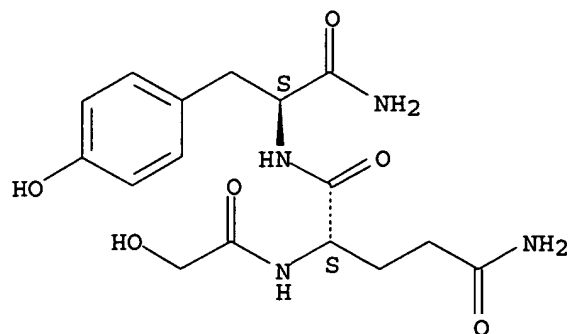
Absolute stereochemistry.



RN 919104-63-5 HCAPLUS

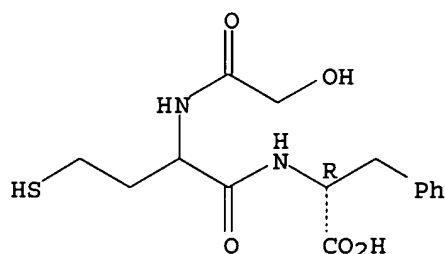
CN L-Tyrosinamide, N2-(2-hydroxyacetyl)-L-glutaminyl- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:874467 HCAPLUS  
 DN 145:450736  
 TI Homo-cysteinyI peptide inhibitors of the L1 metallo- $\beta$ -lactamase, and SAR as determined by combinatorial library synthesis  
 AU Sun, Qin; Law, Andy; Crowder, Michael W.; Geysen, H. Mario  
 CS Department of Chemistry, University of Virginia, Charlottesville, VA, 22904, USA  
 SO Bioorganic & Medicinal Chemistry Letters (2006), 16(19), 5169-5175  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier Ltd.  
 DT Journal  
 LA English  
 IT **913083-93-9P**  
 RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (kinetic parameters of inhibition of metallo- $\beta$ -lactamase)  
 RN 913083-93-9 HCAPLUS  
 CN D-Phenylalanine, hydroxyacetylhomocysteinyI- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



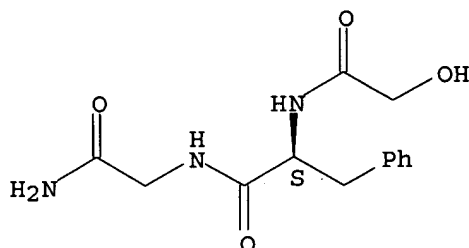
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1995:130807 HCAPLUS  
 DN 122:75493  
 TI Analogs of serine proteinase with peptide ligase activity and their chemical and biosynthetic preparation  
 IN Abrahmsen, Lars; Burnier, John; Wells, James A.; Jackson, David Y.  
 PA Genentech, Inc., USA  
 SO PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9418329	A2	19940818	WO 1994-US1336	19940202
	WO 9418329	A3	19950202		
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9461715	A	19940829	AU 1994-61715	19940202
	US 5629173	A	19970513	US 1995-386000	19950209
	US 5736512	A	19980407	US 1995-475640	19950607
PRAI	US 1993-13445	A	19930204		
	US 1990-566026	B2	19900809		
	WO 1994-US1336	W	19940202		
	US 1994-218873	B3	19940328		
	US 1995-386000	A3	19950209		
IT	158751-87-2D, peptide esters, amides				
	RL: RCT (Reactant); RACT (Reactant or reagent)				
	(leaving group; analogs of serine proteinase with peptide ligase activity and their chemical and biosynthetic preparation)				
RN	158751-87-2 HCAPLUS				
CN	Glycinamide, N-(hydroxyacetyl)-L-phenylalanyl- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



L3 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
AN 1989:478604 HCAPLUS  
Correction of: 1984:552347  
DN 111:78604  
Correction of: 101:152347  
TI Peptide and its use  
IN Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; et al.  
PA Fujisawa Pharmaceutical Co., Ltd., Japan  
SO U.S., 172 pp. Cont.-in-part of U.S. Ser. No. 149,441, abandoned.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 7

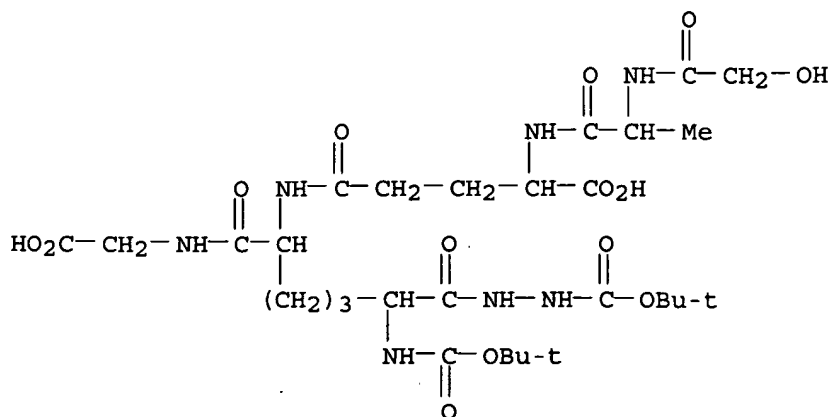
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4322341	A	19820330	US 1980-201241	19801027
	US 4311640	A	19820119	US 1979-93523	19791113
	US 4349466	A	19820914	US 1981-229072	19810128
	EP 50856	A2	19820505	EP 1981-108796	19811023
	EP 50856	A3	19820804		

EP 50856	B1	19841227		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AT 10933	T	19850115	AT 1981-108796	19811023
CA 1241642	A1	19880906	CA 1981-388696	19811026
JP 57114556	A	19820716	JP 1981-172658	19811027
JP 03025437	B	19910405		
US 4458078	A	19840703	US 1982-377841	19820513
US 4725582	A	19880216	US 1982-377836	19820513
US 4801580	A	19890131	US 1982-377931	19820513
US 4666890	A	19870519	US 1982-380061	19820520
US 4539155	A	19850903	US 1983-515590	19830721
US 4749691	A	19880607	US 1987-37470	19870413
PRAI US 1979-93523	A2	19791113		
US 1980-110020	A2	19800107		
US 1980-147710	A2	19800508		
US 1980-149441	A2	19800513		
GB 1978-44346	A	19781114		
GB 1979-26705	A	19790731		
GB 1979-35401	A	19791011		
GB 1979-35730	A	19791015		
GB 1979-36000	A	19791017		
GB 1979-37343	A	19791029		
DK 1979-4722	A	19791107		
AU 1979-52759	A	19791113		
CA 1979-339737	A	19791113		
EP 1979-104470	A	19791114		
JP 1979-147275	A	19791114		
KR 1979-3985	A	19791114		
US 1980-171024	A	19800722		
US 1980-201241	A	19801027		
US 1981-229072	A	19810128		
EP 1981-108796	A	19811023		
US 1982-377841	A3	19820513		
US 1982-380061	A3	19820520		

IT **79337-91-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and deblocking of)

RN 79337-91-0 HCAPLUS

CN Glycine, N-(hydroxyacetyl)-L-alanyl-D-γ-glutamyl-N6-[(1,1-  
 dimethylethoxy)carbonyl]-7-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-7-  
 oxo-L-erythro-2,6-diaminoheptanoyl- (9CI) (CA INDEX NAME)

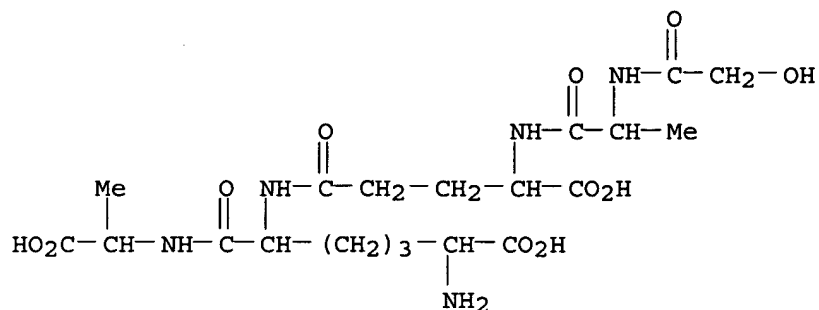


IT 79335-59-4P 79337-92-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

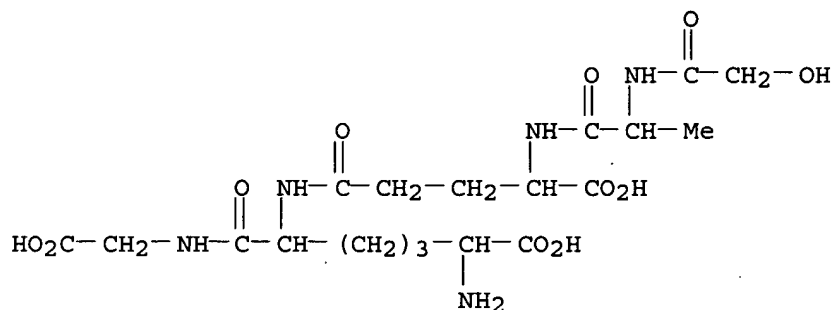
RN 79335-59-4 HCAPLUS

CN D-Alanine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



RN 79337-92-1 HCAPLUS

CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 5 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1989:193403 HCAPLUS

DN 110:193403

TI Manufacture of antibiotic FR-900156 from Streptomyces olivaceograceus and preparation of its analogs

IN Kitaura, Yoshihiko; Nakaguchi, Osamu; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; et al.

PA Fujisawa Pharmaceutical Co., Ltd., Japan

SO U.S., 186 pp. Division of U.S. 4,349,466.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4666890	A	19870519	US 1982-380061	19820520
	DK 7904722	A	19800515	DK 1979-4722	19791107
	DK 148809	B	19851007		
	DK 148809	C	19860317		

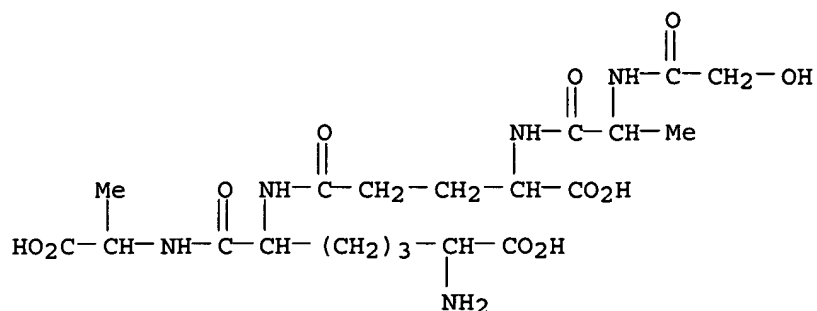
AU 7952759	A	19800626	AU 1979-52759	19791113
AU 529275	B2	19830602		
US 4311640	A	19820119	US 1979-93523	19791113
HU 23914	A2	19821028	HU 1979-FU379	19791113
HU 181434	B	19830728		
CA 1143682	A1	19830329	CA 1979-339737	19791113
JP 55085552	A	19800627	JP 1979-147275	19791114
JP 63018598	B	19880419		
ES 485962	A1	19800701	ES 1979-485962	19791114
AT 1388	T	19820815	AT 1979-104479	19791114
ES 493817	A1	19810716	ES 1980-493817	19800729
AU 8060939	A	19810319	AU 1980-60939	19800730
AU 544864	B2	19850620		
US 4322341	A	19820330	US 1980-201241	19801027
US 4349466	A	19820914	US 1981-229072	19810128
ES 499470	A1	19820816	ES 1981-499470	19810216
US 4487763	A	19841211	US 1982-402440	19820728
US 4512980	A	19850423	US 1982-402438	19820728
US 32992	E	19890718	US 1984-611733	19840518
US 4749691	A	19880607	US 1987-37470	19870413
PRAI GB 1978-44346	A	19781114		
GB 1979-26705	A	19790731		
GB 1979-35401	A	19791011		
GB 1979-35730	A	19791015		
GB 1979-36000	A	19791017		
GB 1979-37343	A	19791029		
DK 1979-4722	A	19791107		
AU 1979-52759	A	19791113		
CA 1979-339737	A	19791113		
US 1979-93523	A2	19791113		
EP 1979-104470	A	19791114		
JP 1979-147275	A	19791114		
KR 1979-3985	A	19791114		
US 1980-110020	A2	19800107		
US 1980-147710	A2	19800508		
US 1980-149441	A2	19800513		
US 1980-171024	A2	19800722		
US 1980-201241	A2	19801027		
US 1981-229072	A3	19810128		
EP 1979-104479	A	19791114		
GB 1980-10459	A	19800328		
US 1980-193453	A3	19801003		
US 1982-380061	A3	19820520		

IT 79335-59-4P 79337-92-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of, as immunostimulant)

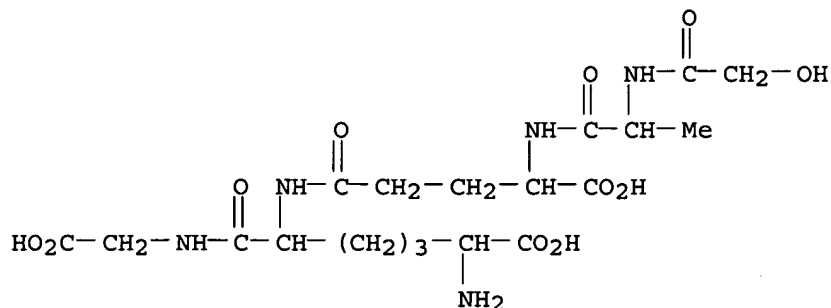
RN 79335-59-4 HCAPLUS

CN D-Alanine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



RN 79337-92-1 HCAPLUS

CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)

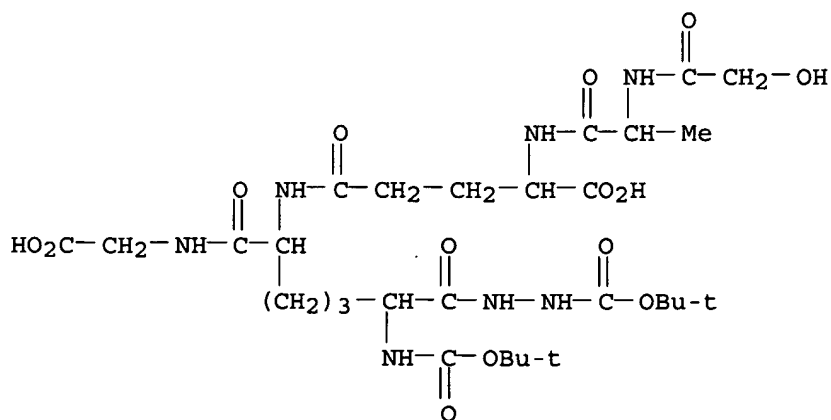


IT **79337-91-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as intermediate for immunostimulating peptide)

RN 79337-91-0 HCAPLUS

CN Glycine, N-(hydroxyacetyl)-L-alanyl-D-γ-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-7-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-7-oxo-L-erythro-2,6-diaminoheptanoyl- (9CI) (CA INDEX NAME)



L3 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1985:542381 HCAPLUS

DN 103:142381

TI Oxazole derivatives  
 IN Kitaura, Yoshihiko; Kakaguchi, Osamu; Hemmi, Keiji; Acatani, Matsuhiko;  
 Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirakazu; Hashimoto, Masashi;  
 Kuroda, Yashio; et al.  
 PA Fujisawa Pharmaceutical Co., Ltd., Japan  
 SO U.S., 157 pp. Division of U.S. 4,349,466.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4458078	A	19840703	US 1982-377841	19820513
	US 4311640	A	19820119	US 1979-93523	19791113
	HU 23914	A2	19821028	HU 1979-FU379	19791113
	HU 181434	B	19830728		
	ES 485962	A1	19800701	ES 1979-485962	19791114
	AT 1388	T	19820815	AT 1979-104479	19791114
	ES 493817	A1	19810716	ES 1980-493817	19800729
	AU 8060939	A	19810319	AU 1980-60939	19800730
	AU 544864	B2	19850620		
	US 4322341	A	19820330	US 1980-201241	19801027
	US 4349466	A	19820914	US 1981-229072	19810128
	ES 499470	A1	19820816	ES 1981-499470	19810216
	US 4487763	A	19841211	US 1982-402440	19820728
	US 4512980	A	19850423	US 1982-402438	19820728
	US 4539155	A	19850903	US 1983-515590	19830721
	US 32992	E	19890718	US 1984-611733	19840518
PRAI	GB 1978-44346	A	19781114		
	GB 1979-26705	A	19790731		
	GB 1979-35401	A	19791011		
	GB 1979-35730	A	19791015		
	GB 1979-36000	A	19791017		
	GB 1979-37343	A	19791029		
	US 1979-93523	A2	19791113		
	US 1980-110020	A2	19800107		
	US 1980-147710	A2	19800508		
	US 1980-149441	A2	19800513		
	US 1980-171024	A2	19800722		
	US 1980-201241	A2	19801027		
	US 1981-229072	A3	19810128		
	EP 1979-104479	A	19791114		
	GB 1980-10459	A	19800328		
	US 1980-193453	A3	19801003		
	US 1982-377841	A3	19820513		

OS CASREACT 103:142381

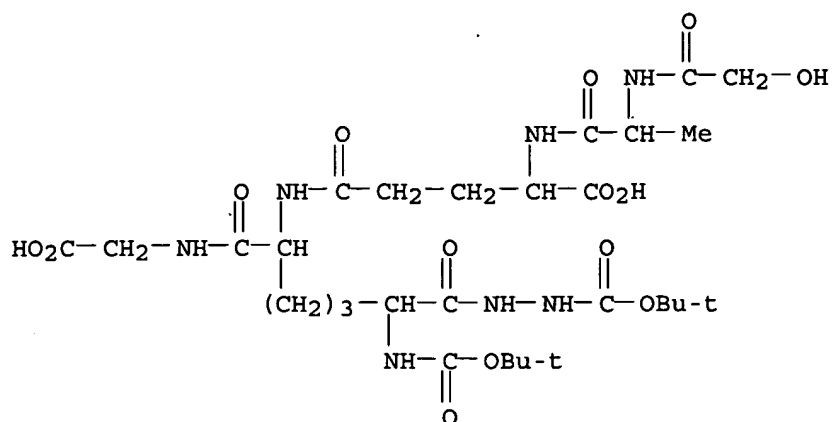
IT 79337-91-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and deprotection-hydrazide cleavage of)

RN 79337-91-0 HCAPLUS

CN Glycine, N-(hydroxyacetyl)-L-alanyl-D-γ-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-7-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-7-oxo-L-erythro-2,6-diaminoheptanoyl- (9CI) (CA INDEX NAME)



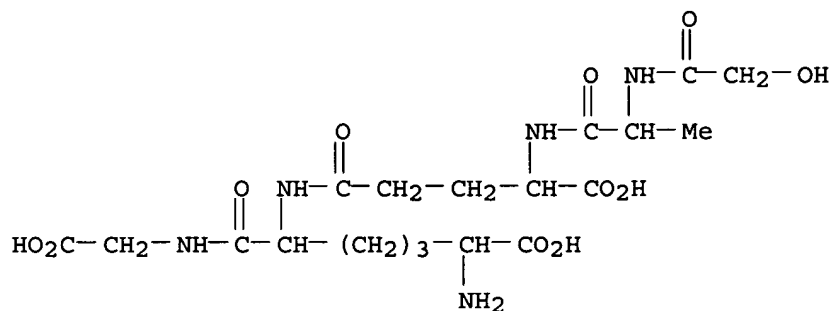


IT **79337-92-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 79337-92-1 HCAPLUS

CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)

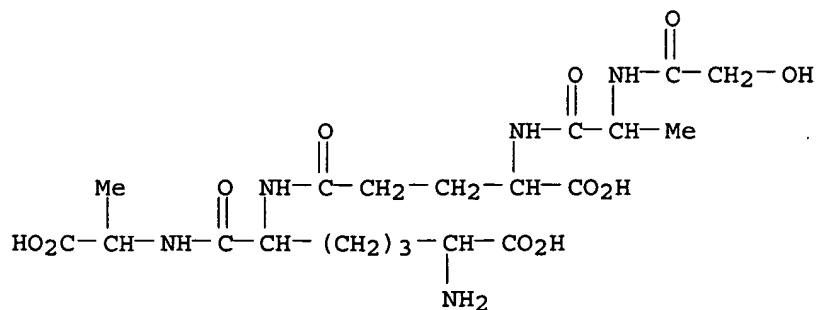


IT **79335-59-4P**

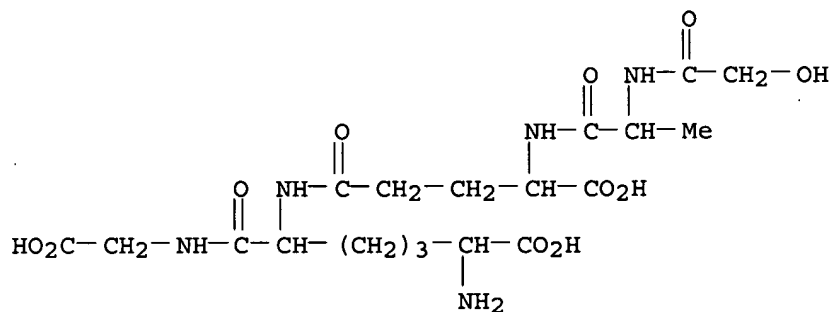
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as therapeutic agent)

RN 79335-59-4 HCAPLUS

CN D-Alanine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



AN 1985:488195 HCAPLUS  
 DN 103:88195  
 TI Synthesis and adjuvant activity of FK-156 analogs: acyl derivatives of  
 N-(N2-(L-alanyl-γ-D-glutamyl)-2(L),2'(D)-diamino-1-pimeloyl)glycine  
 AU Okada, Satoshi; Takeno, Hidekazu; Hemmi, Keiji; Kitaura, Yoshihiko;  
 Hashimoto, Masashi  
 CS Explor. Res. Lab., Fujisawa Pharm. Co., Ltd., Osaka, 532, Japan  
 SO Chemical & Pharmaceutical Bulletin (1985), 33(2), 889-92  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DT Journal  
 LA English  
 OS CASREACT 103:88195  
 IT 79337-92-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and immune adjuvant activity of)  
 RN 79337-92-1 HCAPLUS  
 CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-  
 glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1984:552347 HCAPLUS  
 Correction of: 1982:528077  
 DN 101:152347  
 Correction of: 97:128077  
 TI Peptide and its use  
 IN Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko;  
 Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi;  
 Kuroda, Yoshio; Et, Al.  
 PA Fujisawa Pharmaceutical Co., Ltd., Japan  
 SO U.S., 172 pp. Cont.-in-part of U.S. Ser. No. 149,441, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4322341 A		19820330	US 1980-201241	19801027

 PI US 4322341 A  
 PRAI US 1979-93523 19791113  
 US 1980-110020 19800107  
 US 1980-147710 19800508  
 US 1980-149441 19800513  
 IT 79337-91-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and deblocking of)  
 RN 79337-91-0 HCAPLUS

$$\begin{array}{c}
 \text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\overset{\overset{\text{O}}{\parallel}}{\text{C}}-\underset{\underset{\text{(CH}_2)_3}{|}}{\text{CH}}-\overset{\overset{\text{O}}{\parallel}}{\text{N}}-\text{H}-\overset{\overset{\text{O}}{\parallel}}{\text{C}}-\text{CH}_2-\text{CH}_2-\underset{\underset{\text{NH}-\overset{\overset{\text{O}}{\parallel}}{\text{C}}-\text{OBu-t}}{|}}{\text{CH}}-\text{CO}_2\text{H} \\
 | \\
 \text{NH}-\overset{\overset{\text{O}}{\parallel}}{\text{C}}-\text{OBu-t}
 \end{array}$$

AN 1982:528077 HCAPLUS

DN 97:128077

IN Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; et al.

50 U.S., 172 pp. Cont.-in-part of U.S. Ser. No. 149,441, abandoned.

CODEN: USXXAM

DT Patent

LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 4322341 A 19820330 US 1980-201241 19801027

PRAI US 1979-93523 19791113

US 1980-110020 19800107

US 1980-147710 19800508

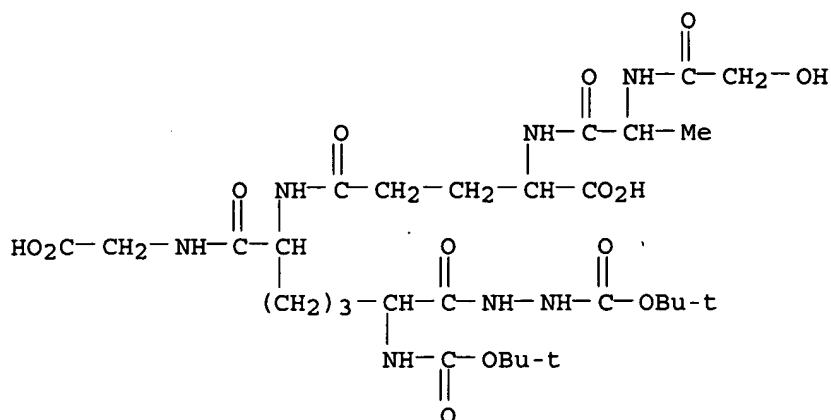
US 1980-149441 19800513

IT 79337-91-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
.(preparation and deblocking of)

RN 79337-91-0 HCAPLUS

CN Glycine, N-(hydroxyacetyl)-L-alanyl-D-γ-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-7-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-7-oxo-L-erythro-2,6-diaminoheptanoyl- (9CI) (CA INDEX NAME)

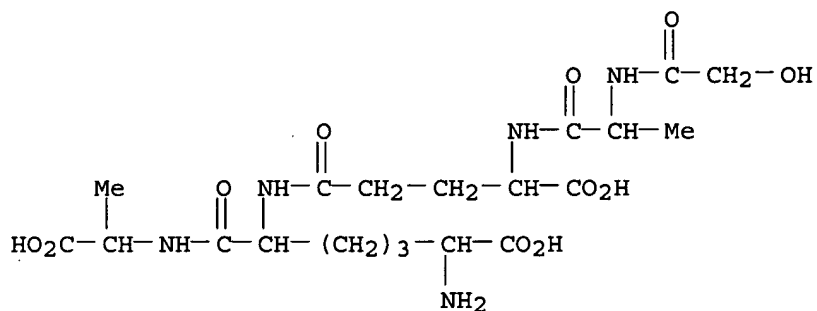


IT 79335-59-4P 79337-92-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

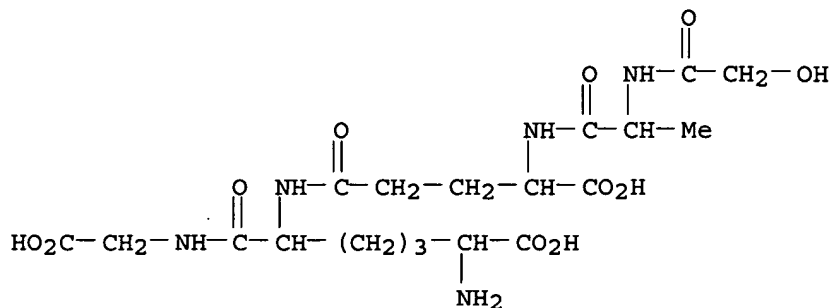
RN 79335-59-4 HCAPLUS

CN D-Alanine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



RN 79337-92-1 HCAPLUS

CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1982:69437 HCAPLUS

DN 96:69437

TI Peptides, their pharmaceutical compositions and their intermediates

IN Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; et al.

PA Fujisawa Pharmaceutical Co., Ltd., Japan

SO Eur. Pat. Appl., 502 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	EP 25842	A3	19820210		
	EP 25842	B1	19870603		
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	AT 1388	T	19820815	AT 1979-104479	19791114
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OS CASREACT 96:69437; MARPAT 96:69437

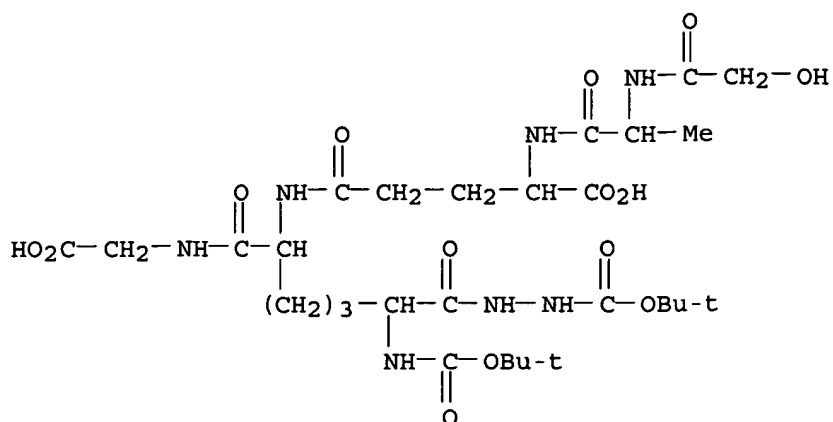
IT 79337-91-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and deblocking of)

RN 79337-91-0 HCAPLUS

CN Glycine, N-(hydroxyacetyl)-L-alanyl-D-γ-glutamyl-N6-[(1,1-dimethylethoxy)carbonyl]-7-[2-[(1,1-dimethylethoxy)carbonyl]hydrazino]-7-oxo-L-erythro-2,6-diaminoheptanoyl- (9CI) (CA INDEX NAME)

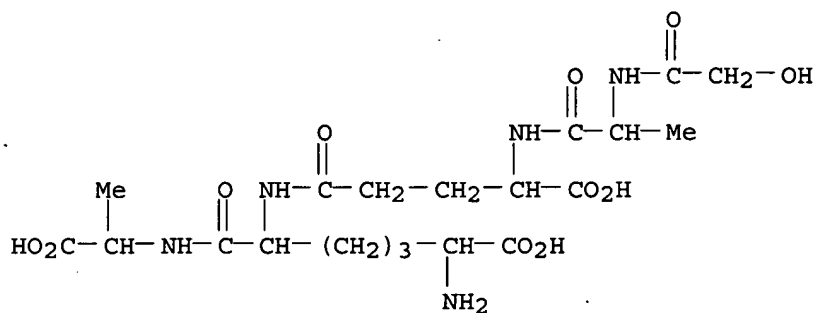


IT 79335-59-4P 79337-92-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 79335-59-4 HCAPLUS

CN D-Alanine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)



RN 79337-92-1 HCAPLUS

CN Glycine, N-[(R)-6-carboxy-N2-[N-[N-(hydroxyacetyl)-L-alanyl]-D-γ-glutamyl]-L-lysyl]- (9CI) (CA INDEX NAME)

